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An Enumeration of the Plants Collected by Dr. H. H. Rusby in South America, 1885-1886.—XIV.

(Continued from page 214.)

LOASEÆ.

LOASA CANARINOIDES (Leune et C. Koch) (*Illiaria canarinoides* Leune et C. Koch, Flore des Serres t. 913). This very beautiful vine, supposed by M. Planchon to have been introduced to German gardens from Central America, was found by Dr. Rusby in considerable quantities on the slopes of the Andes near Unduavi, Bolivia, at an altitude of 8,000 feet. His specimens differ slightly from the type of t. 5022 of Bot. Mag., in having blunter petals. Unfortunately all the specimens yet preserved are in flower only.

Loasa heptamera, Wedd. Chlor. And. 218, ex descr. (*L. horrida* Britt. mss.). Near La Paz, 11,000 ft. (663). The same as Mandon's 619.

Blumenbachia lateritia, Hook. f. Same locality (664). The same as Mandon's 618.

TURNERACEÆ.

(Named by Mr. R. A. Rolfe.)

Periqueta cistoides (L.) Meyer; Steud. Nomencl. 724. Falls of Madeira, Brazil (1451).

Turnera odorata, Rich. Act. Soc. Hist. Nat., Paris, 1792, 107. Falls of Madeira (1792).

Turnera Weddelliana, Urb. & Rolfe. Reis, 1,500 ft. (2094); Guanai, 2,000 ft. (2653).

PASSIFLORACEÆ.

(Species of *Tacsonia* and *Passiflora*, determined by Dr. M. T. Masters.)

Tacsonia insignis, Mast. in Gard. Chron. (1873) p. 1112, fig. 239. Near Yungas, Bolivia, 4,000 ft. (2465).

Passiflora fetida, var. *nigelliflora*, Mast. (*Passiflora nigelliflora*, Hook.) Falls of the Madeira, Brazil (2457).

Passiflora tricuspis, Mast. in Flor. Brazil xiii, part 1. (1872), p. 587. Mapiro, Bolivia, 5,000 ft. (928^a and 496).

Rami compressi asperati. Species adhuc imperfecte cognita. Specimina a cl. Rusby lecta quoad folia omnino cum illis a Bur-

chellio carptis sub numero 6.988-2 conveniunt. Exemplaria tamen manca Gardneri (1631) et Weddell (3025.) a me hic relata paullulum diversa videntur. Sequitur floris descriptio a specimine Rusbyi desumpta:—Flores patelliformes diametro pollicares. Sepala pilosula oblonga ecarinata mutica. Petala sepalis paulo breviora conformia tenuiora albida. Corona faucialis extrema filamentosa filis sepalis paulo brevioribus, filis secundæ seriei liguliformibus apice clavatis procedentibus dimidio brevioribus. Corona media procedenti approximata membranacea annularis valde plicata horizontaliter inflexa. Corona infra mediana annularis crassiuscula. Coet. non visa. Species c. *P. trifasciata* aliquando comparanda.

Passiflora cærulea, L. Sp. Pl. 959. Tacna, Chili. Cultivated (489).

Passiflora triloba, Ruiz et Pavon; Mast, loc. cit. p. 560. Junction of Rivers Beni and Madre de Dios. (490).

Passiflora coccinea, Aublet; Mast. l. c. p. 605. Junction of Rivers Beni and Madre de Dios. (492.) Yungas, 4,000 ft. (493).

PASSIFLORA RUSBYI, spec. nova. Fruticosa cirrhosa, cirro supra basin deciduo parte residua spinam fingente ramis teretibus sulcato-striatis; petiolis eglandulosis; stipulis * * * foliis circa 6 poll. long. $2\frac{1}{4}$ poll. lat. membranaceis glabris ovato-lanceolatis acuminatis; floribus racemosis, pedunculo elongato; bracteis foliaceis deciduis lineari-oblongis a flore distantibus; floribus $1\frac{1}{2}$ poll. long. extus aurantiacis puberulis; floris tubo pollicari basi ventricosio superne sensim dilatato; sepalis subcoriaceis oblongis obtusis ecarinatis imbricatis partibus obducatis glabris rubro-aurantiacis; petalis conformibus paulo brevioribus; corona fauciali duplici filis extimis petalis dimidio brevioribus flavidis capitatellis apicem versus tuberculatis; filis interioribus dimidio brevioribus linearibus; corona media e tubo paulo infra medium emergente basi membranacea tubulata superne filamentosa filis subulatis elongatis erectis; gynophoro glabro basi pentagono alato, alis ad parietes tubi ita transeuntibus ut tubus basi quinque locularis evadat; ovario oblongo flavido puberulo; stylis basi a sese remotiusculis; fructu * * *

Junction of Rivers Beni and Madre de Dios, (2089.) *P. spinosa* Poeppig arcte affinis differt tamen petiolis eglandulosis, coronâ mediana, filamentis basi liberis aliisque notis.

PASSIFLORA NEPHRODES, sp. nov. § *Granadilla*. Fruticosa ramis hirsutis teretibus sulcato-striatis; petiolis pollicaribus eglandu-

losis; foliis 3 poll. long. $2\frac{3}{4}$ poll. lat, membranaceis cordato 3-lobis lobis ovatis acutis, medio multo majore; stipulis pollicaribus foliaceis dimidiato-reniformibus aristatis grosse serratis; pedunculo * * * bracteis * * * floribus diametro 2 pollicaribus; sepalis oblongis hirsutis cornutis; petalis sepalis parum brevioribus; corona fauciali filamentosa filis extimis petalis parum brevioribus, cæteris numerosissimis brevioribus capitatis; corona media * * * ovario globoso hirsuto * * * Unduavi, 8,000 ft. (494).

Passiflora? Mapiri, 2,500 ft. (2525). Foliage only collected.

Malesherbsia linearifolia, Poir. Near Valparaiso, Chili (2419).

Carica microcarpa, Jacq. Hort. Schœn. iii. 32, t. 309, 310. Yungas, 6,000 ft. (1764); 4,000 ft. (1766).

Carica? Yungas, 4,000 ft. (1765).

Carica? Junction of Rivers Beni and Madre de Dios (1762).

CUCURBITACEÆ.

Luffa cylindrica (L.), Rœm. Syn. fasc. 2, 63. Beni River (2064).
Cultivated and spontaneous.

Melothria Cucumis, Vell. Fl. Flum. i. t. 70. Guanai, 2,000 ft. (2066).

Melothria Fluminensis, Gardn. in Hook. Journ. Bot. i. 173. Junction of the rivers Beni and Madre de Dios (2067).

Melothria Hookeri, Cogn., in D.C. Monog. Phan. iii. 588. Mapiri, 5000 ft. (2065).

Gurania spinulosa (Poepp. and Endl.), Cogn. Diag. Cucurb. i. 17. Mapiri, 5,000 ft. (2061; 2062); 2,500 ft. (2063); (*Anguria spinulosa*, Poepp. and Endl.)

Gurania? Beni River (2662).

Cayaponia pentaphylla, Cogn. loc. cit. 760? Reis 1,500 ft. (2069).

Cayaponia coriacea, Cogn. in Mart. Fl. Bras. Cucurb. 79. Falls of Madeira, Brazil (497).

Cayaponia Tayuya (Vell.), Cogn. in D.C. Monog. Phan. iii. 772. Mapiri, 5,000 ft. (495).

Cyclanthera pedata (L.), Schrad. Index. Sem. Hort. Gott. 1831. Yungas, 4,000 ft. Cultivated (491).

Cyclanthera Matthewsii, Arn. in Hook. Journ. Bot. iii. 280? Guanai, 2,000 ft. (2071).

Cyclanthera, probably undescribed. Yungas, 6,000 ft. (2059).

CYCLANTHERA (?) RUSBYI, spec. nova. Caulis paulo ramosus, sulcatus, puberulus. Petiolus 8-10 mm. longus. Folia submembranacea, ovata, 8-10 cm. longa, 4-6 cm. lata, acuta vel obtusa, supra papillosa, subtus pubescentia, margine remote denticulata, sinus basilaris late rotundatus. Cirrhi bifidi, graciles, elongati. Pedunculus communis 1-3 cm. longus, multiflorus. Pedicelli 2 mm. longi. Corolla virescens, segmentis triangularibus, acutis, 1 mm. longis. Pedunculus fructiferus crassis, 1-2 cm. longus, striatus. Fructus oblique ovoideus 4-5 cm. longus, 2 cm. crassus. Aculei numerosi, compressi, 1 mm. longi. Yungas, 6,000 ft. (2589); Unduavi, 8,000 ft. (2068). If correctly referred to this genus, appears nearest related to *C. subinermis*, Cogn.

Elaterium Amazonicum, Mart. in Cogn. Diag. Cucurb. ii. 55. Yungas, 6,000 ft. (2070).

ECHINO CYSTIS MACROCARPUS, spec. nova. Caulis sulcatus, sparse villosus-hirsutus. Petiolus gracilis, sulcatus, longe villosus-hirsutus. Folia suborbicularia, 10-15 cm. lata, 5-loba, utrinque puberula, lobis acutis vel acuminatis, sinus basillaris rotundus, 2-3 cm. latis. Pedunculus communis masculus gracilis, sparse villosus, 10-15 cm. longus. Inflorescentia mascula paniculata. Cirrhi ramosi elongati. Fructus sessilis, 5-6 cm. longus, 2 cm. latus, horride aculeatus. Aculei inæquales, majores 2 cm. longi. Rostrum conicum, acuminatum, sparse aculeatum, tomentosum. Yungas, 6,000 ft. (2060). Apparently nearest *E. longispina*, Cogn.

Alsomitra Brasiliensis, Cogn. in Mart. Fl. Bras. Cucurb. 115. Junction of Rivers Beni and Madre de Dios. (547).

BEGONIACEÆ.

Begonia pleiopetala, A. D.C. Ann. Sci. Nat. (4) xi. 121. Unduavi, 8,000 ft. (682).

Begonia Weddelliana, A. D.C. loc. cit. ex. descrip. Yungas, 6,000 ft. (679).

Begonia, related to the preceding. Ingenio del Oro, 10,000 ft. (681).

Begonia, apparently allied to *B. Boliviensis*, A. D.C. Yungas, 6,000 ft. (683).

Begonia fagopyroides, Kunth et Bouché, Ind. Hort. Berl. 1848. Yungas, 4,000 ft. (686).